

CLIMATOLOGICAL DATA FOR OCTOBER, 1912.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor. J. CECIL ALTER, Acting District Editor.

GENERAL SUMMARY.

October weather in the Great Basin was unseasonably cool and stormy, the general inclemency causing delays and losses of a more or less serious nature to nearly all interests, especially in the eastern part of Nevada, and in Utah. The low temperatures were maintained with some uniformity throughout nearly the entire district, only a few stations reporting plus departures from the monthly means. The precipitation excesses occurred principally in western Utah and portions of Nevada, in which regions the number of cloudy days was appreciably greater; but to the westward in central and western Nevada, and in areas of adjacent States in the Great Basin, the precipitation excesses were much less, and the number of clear days greater; conditions thus being much more favorable for farming operations and for all outdoor work.

Owing to the heavy rains, country roads remained in bad condition most of the month in Utah, and the beet and potato fields were so soft as to greatly delay the gathering of these crops. Unthrashed grain and uncut hay stood in the fields at the close of the month in many counties awaiting a period of dry weather suitable for harvesting. However, a very good effect of the cool wet weather was noted in conditions on the dry farms; since these lands are mostly well-drained uplands, the excess of moisture served only to keep the soil in fine condition for plowing, and as farmers were prevented by the weather from working in other fields, the fall dry-farm plowing was probably farther advanced and in better condition at the close of October than for several years. During the second decade, which was the only period of fair weather during the month, a good acreage of dry-land wheat was sown, and this, together with the greater quantity that was sown during the last half of September, was in splendid condition, and the consensus of opinion is that the dry farming prospects have been rendered more propitious by proper weather sequences this autumn than they have been for several years.

Thunderstorms were nowhere numerous or severe, though during the last few days of the month single storms in many places broke previous records for continuous downfalls of rain. A great deal of snow occurred, and while most of this melted as it fell, sufficient remained on the hay and grass and on the fruit trees long enough to cause damage in some places by its weight. The valley floors were bare of snow at the close of the month, though all the mountains in the eastern portion of the Great Basin carried a good layer, and their peaks were white. There were no losses of consequence reported, due to frost, though some fields of alfalfa for seed were slightly damaged in central Utah. The number of clear days for the district was 15, partly cloudy days 6, and cloudy days 10.

TEMPERATURE.

The mean temperature for the district was 45° , which is 3° below the normal and more than a degree cooler than October of last year. Utah stations averaged 45.4° , or 3.2° below the normal, and Nevada stations averaged 45.8 , or 3.5° below normal. Only two stations reported values above normal; they were in Nevada. The warmest weather was confined to the flatter portions of the district, among the warmest places being Midlake, on the Southern Pacific Railway Co.'s trestle, in the middle of Great Salt Lake. Stations in west-central Utah, and in southern and southwestern Nevada reported the highest averages, and stations in the mountains of Utah and Wyoming the lowest averages. The month began warm over all the district but remained so for only a few days, most of the first and second decades being unusually cool and disagreeable. The beginning of the third decade was again comparatively warm, but most of the last 10 days was also abnormally cool.

PRECIPITATION.

The average precipitation for the district was 2.30 inches, which is 1.49 inches above the normal, or nearly three times the average for October, 1911. Utah stations averaged 2.99 inches, or 2.05 inches above the average, and Nevada stations averaged 1.34 inches, or 0.79 inch above. The greatest excesses occurred in Utah, many stations reporting amounts in excess of 4 inches, which is nearly one-third the normal annual amount in this region. Amounts in western Nevada were so small in some cases as to be below instead of above the normal, though no station reported a totally dry month. The first and third decades were stormy nearly everywhere, the heaviest storms, accompanied by the severest weather, occurring in the last decade. Snowfall during the last decade was reported at a large majority of stations, the amounts ranging above 2 feet at some mountain stations, though the average amount for the district was only 4.5 inches.

USING WEATHER DATA IN ENGINEERING PROBLEMS.

BY ALFRED H. THIESSEN, Section Director.

The seer viewing the desert waste yielding subsistence to only a few worthless plants, or standing at night on an eminence contemplating the faintly lighted town having all the possibilities for industrial growth, except cheap light and power, and knowing of a bountiful water supply, which, indeed, he may even hear as it roars down its mountain bed on its way to the sea, conceives the possibility of holding this water in some natural or made pocket in the mountain canyon, and then allowing it, after it has provided power and light to the town, to

MONTHLY WEATHER REVIEW.

OCTOBER, 1912

TABLE 1.—Climatological data for October, 1912. District No. 10, Great Basin.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelting.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.		
<i>Wyoming.</i>																				
Border.	Uinta.	6,065	10	38.6	-2.2	71	1†	14	24	50	2.12	+1.04	0.60	9.7	8	11	1	19	w.	S. W. Condron.
Cokeville.	do.	6,204	2	37.4	-2.6	73	1	12	24†	49	1.38	-0.37	0.37	6.0	9	19	1	11	w.	E. J. Tuckett.
Evanston.	do.	6,860	16	39.2	-2.6	69	2	18	6	43	2.05	+0.86	0.51	3.0	11	14	6	11	sw.	Frank Tucker.
<i>Idaho.</i>																				
Geneva.	Bear Lake.	6,171	4	43.8	-	80	1	12	21	47	1.43	-	0.70	4.8	7	19	1	11	s.	F. W. Boehme.
Grace.	Bannock.	5,400	5	39.5d	-4.8	69d	11	15d	22	48d	2.85	+1.81	0.60	5.0	7	16	8	7	w.	Wm. F. Courtney.
Paris.	Bear Lake.	5,946	17	39.5d	-2.6	75	1	16	21	42	3.10	+1.77	1.12	0	8	17	0	14	n.	John Norton.
Weston.	Oneida.	4,460	14	43.9	-	82	1	15	21	52	2.68	-	0.80	3.0	10	16	5	10	n.	Wm. T. Chatterton.
<i>Utah.</i>																				
Alpine.	Utah.	4,900	13	41.4*	-	73	1	13	31	48	2.59	-	0.76	8	18	3	10	9	s.	T. F. Carlisle.
Beaver.	Beaver.	6,000	8	41.4*	-	73	1	13	31	48	2.59	-	0.76	6	7	15	9	9	m.	M. J. Shelton.
Black Rock.	Millard.	4,872	8	45.8	-	75	1†	18	21	46	3.14	-	0.88	6	12	8	11	11	w.	W. D. Livingston.
Burrville.	Sevier.	6,800	1	41.1	-	71	3	16	21	49	2.48	-	1.35	5	5	5	11	11	s.	F. R. Curtis.
Castle Rock.	Summit.	6,244	7	-	-	-	-	-	-	-	2.41	-	0.50	9.0	11	14	5	12	m.	David Moore.
Cedar City.	Iron.	5,750	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Parley Dalley.
Center.	Tooele.	4,250	-	45.9	-	82	1	15	21	52	2.68	-	0.86	9	15	7	9	9	n.	L. C. Peterson.
Clarkston.	Cache.	5,930	-	42.0	-	75	1	20	21	42	3.20	-	1.55	5	21	2	15	15	m.	W. J. Griffith.
Corinne.	Boxelder.	4,240	42	46.8	-3.5	77	1	21	21	44	3.12	+2.10	4	14	2	15	15	s.	A. C. Murphy.	
Deseret.	Millard.	4,541	17	47.0	-2.3	76	1	20	21	42	2.07	+1.51	0.61	6	12	5	14	14	w.	S. W. Western.
Elberta.	Utah.	5,750	6	47.7	-	77	1	26	21	38	3.07	-	0.80	3.0	10	16	5	10	s.	D. C. Walkey.
Enterprise.	Washington.	5,267	-	46.3	-3.4	77	2	26	23	36	3.30	-	1.50	7	15	7	9	9	n.	John Day.
Erekson.	Tooele.	4,850	-	45.0	-	77	1	21	21	44	3.06	+0.21	0.40	9	19	6	6	6	nw.	N. W. Erekson.
Farmington.	Davis.	4,267	11	46.3	-3.4	77	2	26	23	36	3.60	+0.21	0.40	9	19	6	6	6	n.	Charles Boylin.
Fillmore.	Millard.	5,100	20	49.6	-3.2	83	1	23	21	40	3.54	+2.40	1.13	6	11	13	5	13	n.	J. J. Starley.
Garrison.	do.	4,850	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	E. M. Smith.
Government Creek.	Tooele.	5,277	11	45.8	-3.7	77	1	20	21	41	2.63	+1.83	0.72	6.0	9	13	3	15	n.	Walter James.
Granger.	Salt Lake.	4,560	49.2d	-	-	78	1†	28	23†	37	2.68	-	0.75	8	15	4	12	12	s.	Geo. E. Greene.
Grantsville.	Tooele.	4,220	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	m.	J. C. Woodmansee.
Grouse Creek.	Boxelder.	5,148	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Phillip Paskett.
Heber.	Wasatch.	5,533	19	43.8	-1.5	78	1	20	12†	56	4.00	+2.80	0.84	0.8	8	15	4	12	n.	John Crook.
Henefer.	Summit.	5,301	12	44.0	-1.2	77	3	18	14†	51	2.38	+1.24	0.60	2.0	11	13	5	13	m.	William Brewer.
Hooper.	Weber.	4,436	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	T. M. Jones, jr.
Ibapah (near).	Tooele.	5,500	8	48.6	-	80	26	19	21	41	3.32	-	1.04	7	17	1	13	15	n.	J. S. Latton.
Ibex.	Millard.	5,250	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	John J. Watson.
Iosepa.	Tooele.	4,356	1	48.6	-	80	26	19	21	41	3.32	-	1.04	6	13	16	2	12	n.	Geo. K. Hubbell.
Joy.	Juab.	5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	A. M. Laird.
Junction.	Pinto.	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Joseph Jensen.
Kanosh.	Millard.	5,250	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Geo. Crane.
Kelton.	Boxelder.	4,230	32	42.8	-4.9	75	2	20	30†	42	2.52	+2.05	0.77	6	10	11	10	10	sw-ne.	F. W. Klock.
Lemay.	do.	4,221	1	46.4	-	70	2	25	23	24	0.60	-	0.60	1	18	10	3	3	sw.	Agent S. P. Co.
Levan.	Juab.	5,010	22	45.4	-2.1	76	1	23	21	40	3.37	+2.20	1.06	8.5	9	15	3	13	sw.	William Brown.
Logan.	Cache.	4,507	21	45.0	-4.8	75	1	25	21	38	3.04	+1.74	1.14	10	10	12	8	11	s.	Utah Experiment Station.
Low.	Tooele.	4,602	-	51.4	-	82	1	24	20	44	1.95	-	0.80	8	13	0	18	18	s.	Agent W. P. Ry. Co.
Lund.	Boxelder.	4,504	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	R. G. Crocker.
Manti.	Iron.	5,086	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Job F. Hall.
Maple Creek.	Sanpete.	5,575	17	46.7	-1.0	76	7	23	21†	49	3.05	+2.17	1.18	10	13	0	18	18	s.	J. M. Anderson.
Marion.	Utah.	4,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Lewis W. Gillilan.
Marysville.	Summit.	6,400	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	nw.	Jas. Woolstenhulme.
Meadowville.	Plute.	6,076	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	John W. Henry.
Rich.	Boxelder.	6,200	11	41.2	-2.3	70	1†	18	21	36	2.40	+1.08	0.60	5.0	7	15	2	14	w.	J. S. Moffat.
Midlake.	Boxelder.	4,235	1	50.4	-	69	1	38	21†	39	2.10	-	0.70	8	17	1	13	13	e.	Agent S. P. Co.
Midvale.	Salt Lake.	4,365	48.2	-	-	81	1	20	20†	43	2.79	-	1.00	10	12	8	11	11	s.	M. J. Joy.
Milford..	Beaver.	4,902	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Agent Salt Lake Route.
Mills.	Juab.	4,911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Geo. McCune.
Millville.	Cache.	4,848	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Fred Yeates.
Minersville.	Beaver.	5,070	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Fred R. Pryor.
Modena.	Iron.	5,479	11	44.3	-5.8	70	17	24	31	39	3.17	+2.35	1.34	8.5	8	16	6	9	w.	U. S. Weather Bureau.
Morgan.	Morgan.	5,068	7	46.0	-	75	3	20	22	49	2.83	-	0.60	6	13	3	15	15	s.	E. O. Kingston.
Moroni.	Sampete.	5,519	4	45.9	-	76	1†	22	30	39	3.45	-	1.31	4.5	3	13	6	12	sw.	B. F. Eliason.
Mosida.	Utah.	4,510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	R. P. Curtis.
Nephli (near).	Juab.	5,119	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	S. Boswell.
Newcastle.	Iron.	5,150	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	T. W. Jones.
Oak City.	Millard.	4,900	5	46.7	-	79	1	22	21†	37	4.14	-	1.14	7.0	10	10	10	11	s.	Peter Nielson.
Ogden.	Weber.	4,310	41	-	-	-	-	-	-	-	-	-	-	-	5	6	14	11	s.	W. H. Chevers.
Pangnitch.	Garfield.	6,560	41	41.0	-	69	18	18	13†	47	4.37	-	1.10	6	13	3	15	15	s.	John N. Henrie.
Park City.	Summit.	7,800	7	40.0	-	69	1	10	28	50	1.37	-	1.10	6	0	17	14	14	s.	Gertrude Evans.
Park Valley.	Boxelder.	5,200	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	A. O. Evans.
Parowan.	Iron.	5,970	21	46.8	-2.3	72	18†	25	21	41	4.01	+3.15	1.58	3.0	9	15	7	9	n.	Alex. Matheson.
Paysont.	Utah.	4,337	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n.	D. L. Coombs.
Pelican Point.	Summit.	8,250	1	42.0	-	68	5	18	29	40	2.00	-	0.53	5	12	9	10	10	n.	J. E. Leavitt.

TABLE 1.—*Climatological data for October, 1912. District No. 10—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.		Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.	
<i>Utah—Continued.</i>																			
Vernon.....	Tooele.....	5,500								3.48	0.87	2.8	9	13	10	8	sw.	Glynn Bennion.
Wendover.....	do.....	4,237	1	54.0		75	3	30	31	34	0.28	0.23	2	2	7	22	2	nw.	J. S. Cooper.
Whisky Creek.....	Millard.....	4,850	1								2.40	0.70	6.0	4					Geo. Stevens.
Winder.....	Garfield.....	8,000																C. H. Mangum.	
Woodruff.....	Rich.....	6,500	10	34.7	- 5.9	69	3	5	21	55	2.19	+ 1.14	0.60	7	15 ^b	8 ^b	6 ^b		A. L. Eastman.
<i>Oregon.</i>																			
Burns.....	Harney.....	4,157	21	43.9	- 1.7	82	2	12	29	59	0.16	- 0.41	0.14	T.	2	13	8	10	J. C. Welcome, jr.
Cliff.....	Lake.....	4,300	5	38.2		72	3 ^f	0	7	62	0.26		0.12	0	3	7	11	13	John C. Green.
Paisley.....	do.....	4,500	9															E. C. Woodward.	
Silver Lake.....	do.....	4,700	15	41.1		78	1	9	30	53	0.22		0.22	0	1	18	12	1	G. W. Marvin.
<i>California.</i>																			
Tahoe.....	Placer.....	6,240	2	41.9		67	3	17	28	39	0.65		0.50		2	13	4	14	R. M. Watson.
Truckee.....	Nevada.....	5,819	41	39.7	- 5.4	70	3	14	10	45	0.20	- 0.86	0.20	2.0	1	16	9	6	Southern Pacific Co.
<i>Nevada.</i>																			
Austin.....	Lander.....	6,594	23	45.4 ^a		78 ^a	1	17 ^a	31	44 ^a	1.60	0.70	12.5	4				n.	F. O. Booe.
Battle Mountain.....	do.....	4,843	41	47.6	- 2.0	88	1 ^f	16	30	58	1.11	+ 0.63	0.45	3.0	5	22	4	5	Southern Pacific Co.
Beowawe.....	Eureka.....	4,905	41															Do.	
Carlin.....	Elko.....	5,232	41	45.2	+ 0.4	80	26	13	20 ^f	57	0.84	+ 0.46	0.35	2.0	4	19	3	9	nw.
Carson Dam.....	Churchill.....	4,032	5	48.2		75	3	19	31	39	0.51		0.29	T.	3	18	5	8	w.
Cherry Creek.....	White Pine.....	6,450	4	43.6		71	3	17	21	39	2.52		0.74	5.8	11	13	7	11	w.
Clover Valley.....	Elko.....	6,000	11															I. F. Wiseman.	
Columbia.....	Esmeralda.....	5,750	5	47.0		74	17	19	31	36	0.91		0.70	9.0	4	23	3	5	nw.
Dry Farm.....	Elko.....	5,600	0	44.2		71	3	18	31	41	3.00		1.75	21.7	8			W. E. Booth.	
Elko.....	do.....	5,432	41	42.8	- 0.8	74	3	12	21	47	2.24	+ 1.76	1.14	2.0	12	16	4	11	Wolfrid Sohlman.
Eureka.....	Eureka.....	6,500	9	43.0		71	3	10	31	39	4.40		2.82	29.0	7	12	6	13	E. J. Clark.
Fallon.....	Churchill.....	3,965	7	47.0		78	3	19	31	44	1.10		0.73	1.0	4	18	5	8	Clay Simms.
Fernley.....	Lyon.....	4,200	39	47.6	- 2.6	78	16	15	31	48	0.06	- 0.23	0.06	0	2	13	11	7	U. S. Experiment Station.
Gardnerville.....	Douglas.....	4,830	12	45.0 ^c	- 6.2	75 ^c	17	16 ^c	31	46 ^c								n.	Mrs. G. A. Steele.
Gerlach.....	Washeo.....	0		49.8		80	6	22	9	50	0.20		0.15	T.	2	18	0	13	Forest Service.
Geyser.....	Lincoln.....	8		38.0		80	1	0	30	70	0.24		0.19		4	13	9	9	Western Pacific Co.
Glenbrook.....	Douglas.....	6,420	3	47.2		72	2	23	29	40	0.25		0.10	0				Mrs. J. F. Wamboit.	
Golconda.....	Humboldt.....	4,697	33	44.8	- 5.8	78	1	16	21	44	0.79	+ 0.31	0.26		6	16	1	4	C. C. Henningsen.
Halleck.....	Elko.....	5,631	19	48.1	+ 4.9	84	23	17	22	33	2.02	+ 1.49	2.00	4.2	2	19	4	8	Do.
Hawthorne.....	Mineral.....	4,569	18	50.8	- 3.0	77	22	25	31	42	1.19	+ 0.97	0.50	0	6	15	12	4	G. B. Stannard.
Jean.....	Clark.....	2,074	4	51.6 ^a		76 ^a	13	28 ^a	9	42 ^a	0.30		0.20	0	2	20	3	5	Salt Lake Route.
Lahontan.....	Churchill.....	4,200	0	48.8		79	3	24	30	39	0.46		0.19	0	4	18	6	7	U. S. Reclamation Service.
Lida.....	Esmeralda.....	6,037	0	46.0		70	1 ^f	20	31	35	1.95		1.64	0	3	21	1	9	L. F. Detwiler.
Livers Ranch.....	Washeo.....	5,500	24															Ross Lewers.	
Lovelocks.....	Humboldt.....	3,977	18															A. P. Tilford.	
McDermitt.....	do.....	4,700	23															Scott Sterling.	
McGill.....	White Pine.....	6,338	21	41.4	- 2.0	79	15	10	31	56	1.38	+ 0.72	0.45	1.9	9	16	4	11	E. J. Hyatt.
Millet.....	Nye.....	4		43.4		76	17	10	31	53	1.29		1.18	6.0	2	19	4	8	R. E. Middagh.
Mina.....	Mineral.....	4,600	5	53.4		75	15 ^f	22	1	28	1.00		2.0	4	18	8	5	Fred J. Jones.	
Oasis Ranch.....	Esmeralda.....	5,106	0	46.1		72	1	16	31	42	0.66		0.38	1.0	3	22	4	5	Southern Pacific Co.
Potts.....	Nye.....	6,990	19	38.4	- 6.2	66	3	4	31	37	0.93	+ 0.61	0.70	9.5	4	8	8	15	A. S. Patterson.
Quinn River Ranch.....	Humboldt.....	4,850	10	43.0 ^c	- 3.8	82 ^c	3	13 ^c	24 ^f	58	0.88	+ 0.49	0.27	0	7			Miss Mamie Potts.	
Rebel Creek.....	do.....	0									1.29		0.50	1.5	7	17	4	10	F. M. Payne.
Reno.....	Washeo.....	4,532	41	47.3	- 2.4	77	3	22	31	44	0.04	- 0.37	0.03	T.	2	14	14	3	U. S. Weather Bureau.
Soda Lake.....	Churchill.....	4,534	5	47.0		74	16 ^f	20	24 ^f	50	0.61		0.27	0	4	8	15	8	U. S. Reclamation Service.
Tecoma.....	Elko.....	4,812	34	42.5	- 3.3	78	2	2	21	60	2.05	+ 1.64	0.95	T.	7	13	6	12	Southern Pacific Co.
Tonopah.....	Nye.....	6,090	7	46.8		68	3	24	30	26	1.03		1.00	10.0	4	15	11	5	U. S. Weather Bureau.
Wells.....	Elko.....	5,631	40			17	15 ^f	22	28 ^f	55	2.85	+ 2.26	1.95	8.0	4	20	0	11	Southern Pacific Co.
Winnemucca.....	Humboldt.....	4,432	33	44.4	- 4.2	76	3	18	21	47	1.35	+ 0.83	0.52	0.5	7	16	5	10	U. S. Weather Bureau.

^a, ^b, ^c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

^f Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for October, 1912. District No. 10, Great Basin.*

TABLE 2.—*Daily precipitation for October, 1912. District No. 10—Continued.*

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations, for October, 1912. District No. 10, Great Basin.

Date.	Wyoming.				Weston, Idaho.		Utah.																		Salt Lake City.	
	Border.		Evanston.				Black Rock.	Corinne.	Deseret.	Govern- ment Creek.	Meadow- ville.	Modena.	Ogden.	Parowan.	Provo.											
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	71	21	68	30	75	35	75	36	77	33	76	47	77	50	70	33	70	45	72	50	71	46	82	37	80	55
2.....	71	21	69	29	71	35	69	46	70	42	70	40	64	39	65	35	64	45	72	48	65	41	73	38	66	49
3.....	70	20	68	30	73	33	75	36	73	38	74	39	74	42	70	34	67	40	69	50	65	40	80	35	75	49
4.....	71	26	60	42	66	41	64	44	76	54	60	39	67	46	69	45	56	34	67	51	56	40	62	47	66	50
5.....	50	38	51	33	58	35	49	35	70	50	52	38	49	36	65	34	31	68	54	46	32	54	36	52	40	
6.....	45	22	39	18	57	32	50	30	68	46	55	32	53	29	49	28	42	30	66	49	46	30	49	30	55	39
7.....	44	20	45	29	52	29	56	25	59	34	57	27	52	28	50	29	52	29	63	47	58	26	59	28	54	37
8.....	41	21	49	20	49	27	60	28	56	35	59	27	55	25	50	25	54	28	64	48	54	33	60	24	57	35
9.....	40	20	38	30	46	32	52	31	58	32	50	31	59	33	40	32	44	32	67	48	49	32	43	35	45	37
10.....	45	30	43	30	54	33	50	36	59	34	53	38	48	35	42	32	48	29	68	50	45	33	55	37	50	41
11.....	49	20	52	24	58	26	52	25	62	33	58	26	53	28	50	25	55	28	65	46	57	28	58	25	53	37
12.....	54	16	54	22	62	27	52	25	57	28	60	27	55	28	51	25	57	30	68	49	61	29	61	25	56	37
13.....	58	16	62	22	64	26	63	25	58	30	64	26	59	30	55	24	60	26	70	47	60	23	66	26	63	39
14.....	64	17	63	21	64	25	68	22	61	28	68	26	62	31	56	23	64	27	69	49	67	31	68	25	64	42
15.....	65	16	65	22	65	25	67	23	62	33	69	25	65	31	55	22	66	27	67	50	67	31	71	26	68	39
16.....	66	15	63	20	65	25	71	25	65	36	71	29	68	34	63	23	67	31	68	51	68	35	73	26	70	43
17.....	60	15	61	26	67	32	73	27	63	35	73	32	68	47	63	35	70	32	70	52	70	35	75	29	81	47
18.....	60	16	58	27	58	32	68	29	65	28	68	30	60	28	55	35	70	34	68	50	72	34	68	30	60	40
19.....	64	18	62	23	63	28	71	34	61	35	71	38	66	39	49	25	65	35	63	47	72	39	75	33	69	48
20.....	48	32	45	29	53	27	63	42	55	25	53	41	63	36	48	25	56	34	64	46	70	33	60	33	49	35
21.....	45	15	44	19	49	16	57	18	60	21	54	20	61	20	48	18	55	28	68	52	61	25	54	22	53	30
22.....	62	16	58	18	62	22	69	19	58	21	69	21	62	31	67	21	63	25	72	58	70	25	68	32	63	39
23.....	55	26	54	24	55	26	67	40	55	21	66	48	60	39	55	31	61	37	73	57	65	44	62	32	64	33
24.....	58	14	57	19	59	19	67	23	56	25	63	27	60	25	49	21	62	28	71	56	65	31	65	24	57	35
25.....	65	19	63	22	68	26	70	26	58	26	69	32	63	38	65	26	61	31	70	51	65	37	61	21	70	44
26.....	56	35	64	32	58	45	64	43	60	24	60	46	61	48	55	37	62	44	64	46	61	44	61	47	60	48
27.....	46	40	45	36	50	44	61	43	66	28	55	46	51	38	47	40	53	35	52	33	72	39	52	35	55	44
28.....	44	40	40	32	48	33	56	34	63	26	53	39	43	31	44	32	50	32	40	31	56	34	48	25	44	33
29.....	48	28	42	22	42	28	48	26	65	28	49	28	41	27	39	29	48	27	47	31	45	29	45	24	48	32
30.....	40	28	32	25	40	32	41	30	51	31	47	32	37	28	38	27	40	27	48	29	40	20	39	27	31	32
31.....	38	25	32	24	47	28	44	27	50	25	45	27	41	26	38	27	39	24	49	22	38	26	42	32	44	33
Means....	54.5	22.8	52.5	25.8	58.0	29.8	61.0	30.7	61.8	31.8	61.0	33.0	58.0	33.7	53.5	29.0	56.6	31.8	64.6	46.6	59.9	33.6	61.0	30.7	59.4	40.1
Date.	Burns, Oreg.				Nevada.																		Winne- mucca.			
	Cherry Creek.		Elko.		Eureka.		Fallon.		Gerlach.		Haw- thorne.		Jean.		Millett.		Quinn River Ranch.		Reno.		Tecoma.		Tonopah.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	79	32	68	46	71	37	66	43	54	42	72	37	72	40	72	47	65	39	61	41	77	28	67	43	61	42
2.....	82	29	60	39	69	32	64	34	64	35	73	42	64	45	69	34	75	35	67	42	78	25	63	41	70	33
3.....	80	30	71	36	74	31	71	40	78	39	76	52	75	45	74	30	82	24	77	39	76	28	68	50	76	33
4.....	72	28	62	33	70	32	63	28	43	33	70	27	55	34	66	30	63	32	60	33	72	25	55	29	60	33
5.....	80	27	40	30	37	32	51	26	42	36	45	25	45	32	70	30	41	29	45	36	37	20	23	29	43	33
6.....	78	21	44	33	47	35	43	23	51	40	80	30	53	36	62	36	46	25	50	35	49	38	70	22	45	30
7.....	80	31	47	26	55	26	59	20	58	32	57	33	57	34	70	40	51	25	61	22	57	35	68	18	46	34
8.....	76	25	52	27	51	26	53	22	63	31	60	36	64	34	72	35	58	25	55	27	61	31	52	34	54	30
9.....	73	14	47	29	42	31	44	24	56	35	55	23	56	36	70	28	51	31	54	28	51	32	65	17	40	31
10.....	64	28	49	31	50	24	46	25	58	25	62	29	58	30	72	30	52	22	60	18	63	25	64	20	57	23
11.....	71	28	53	25	59	24	57	25	63	26	64	42	63	32	70	30	62	23	68	20	65	29	63	18	56	38
12.....	65	26	55	30	62	25	59	27	66	30	63	40	66	35	71	32	65	25	65	19	66	31	65	20	62	28
13.....	70	30	61	25	65	22	43	21	73	30	70	43	73	40	76	36	65	23	73	20	72	33	64	15	62	44
14.....	72	31	63	24	67	22	67	33	74	35	70	40	74	45	75	33	69	20	73	23	73	34	63	12	64	47
15.....	74	29	66	26	71	21	68	30	75	35	74	46	70	40	70	32	74	22	71	26	72	33	66	18	65	48
16.....	74	39	67	30	69	23	70	36	76	32	72	25	70													